

# Material data sheet

Insulating strips of Low Lambda **PA 66 GF25**  
– dry impact resistant –

Insulating profiles  
for windows, doors  
and facades

# Material data sheet

**Insulating strips of Low Lambda PA 66 GF25  
- dry impact resistant -**

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips	
			Dry <sup>(1)</sup>	Equilibrium moisture content <sup>(2)</sup>
melting temperature	EN ISO 11357-3	°C	min. 250 <sup>(3)</sup>	min. 250 <sup>(3)</sup>
density	EN ISO 1183-1 or -3	g/cm <sup>3</sup>	1,0 +/- 0,1	1,0 +/- 0,1
annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2,5	25 +/- 2,5
shore hardness D	EN ISO 868	-	77 +/- 4 <sup>(4)</sup>	67 +/- 4 <sup>(4)</sup>
impact strength	EN ISO 179-1	kJ/m <sup>2</sup>	min. 20 <sup>(5)</sup>	min. 30 <sup>(5)</sup>
tensile strength	EN ISO 527-2 and -4	N/mm <sup>2</sup>	min. 50 <sup>(6)</sup>	min. 35 <sup>(6)</sup>
Young's modulus	EN ISO 527-2 and -4	N/mm <sup>2</sup>	min. 2900 <sup>(6)</sup>	min. 1300 <sup>(6)</sup>
elongation at break	EN ISO 527-2 and -4	%	min. 3 <sup>(6)</sup>	min. 8 <sup>(6)</sup>

- 1) Sample water content less than 0,2 % by weight
- 2) Fast conditioning acc. to EN ISO 1110 (23°C / 50%)
- 3) Maximum temperature 300°C
- 4) Specimen thickness 2mm, unstacked
- 5) Specimen Typ 2fU (50 mm x 10 mm x 2mm)
- 6) Specimen Typ 1BA

**In case of specific questions we gladly offer our individual support.**